

FIG. 1

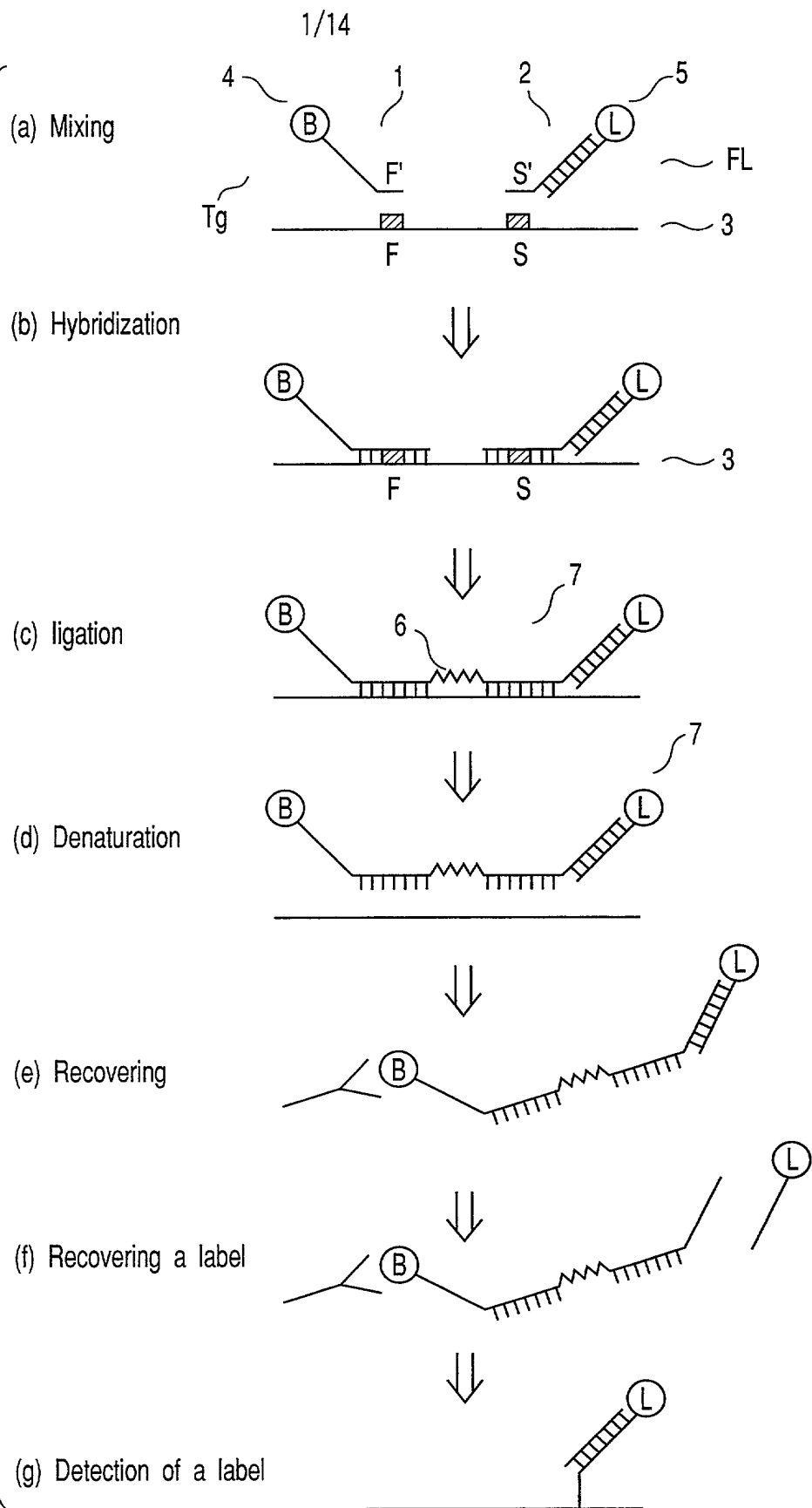


FIG. 2

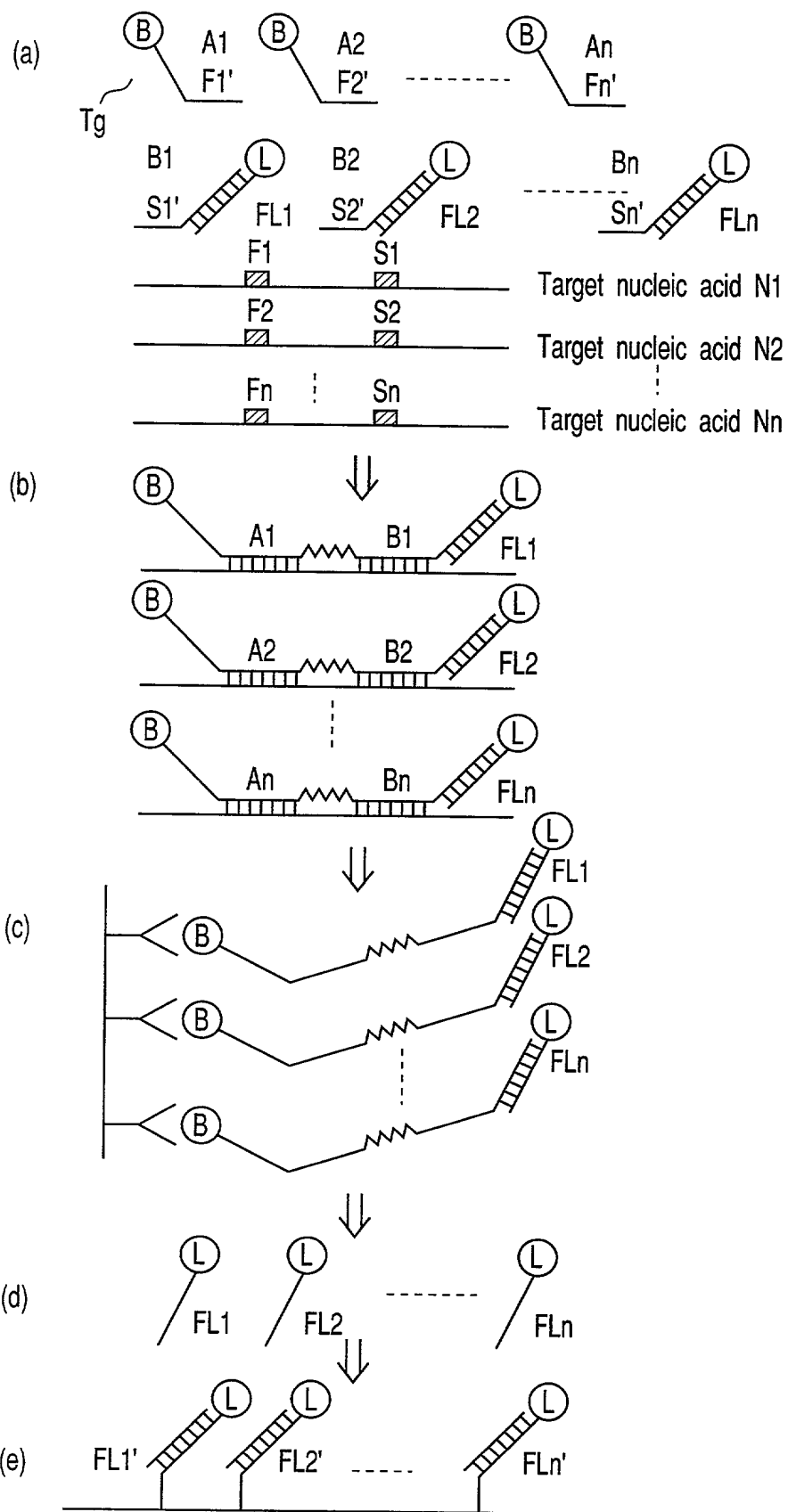


FIG. 3

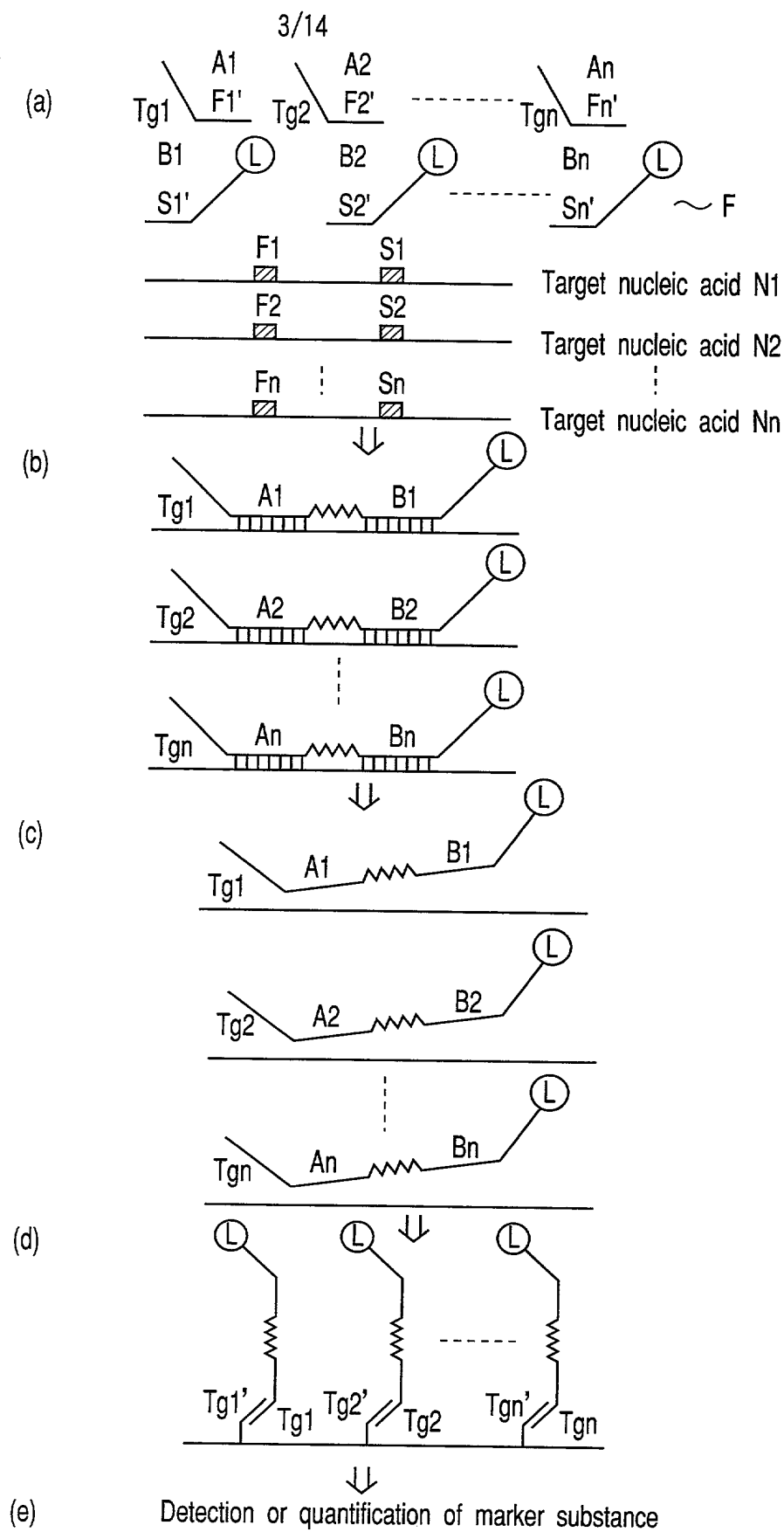


FIG. 4

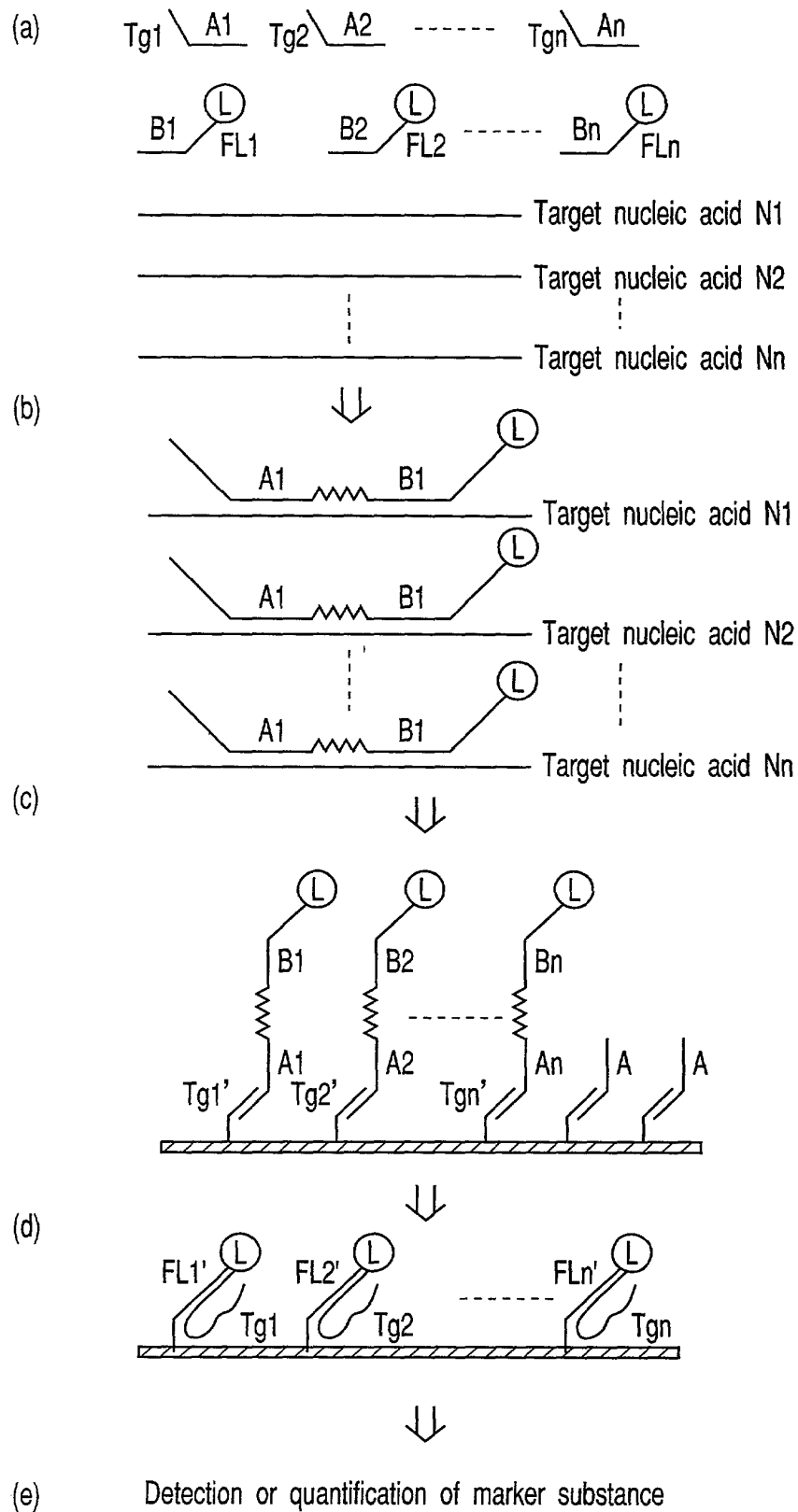
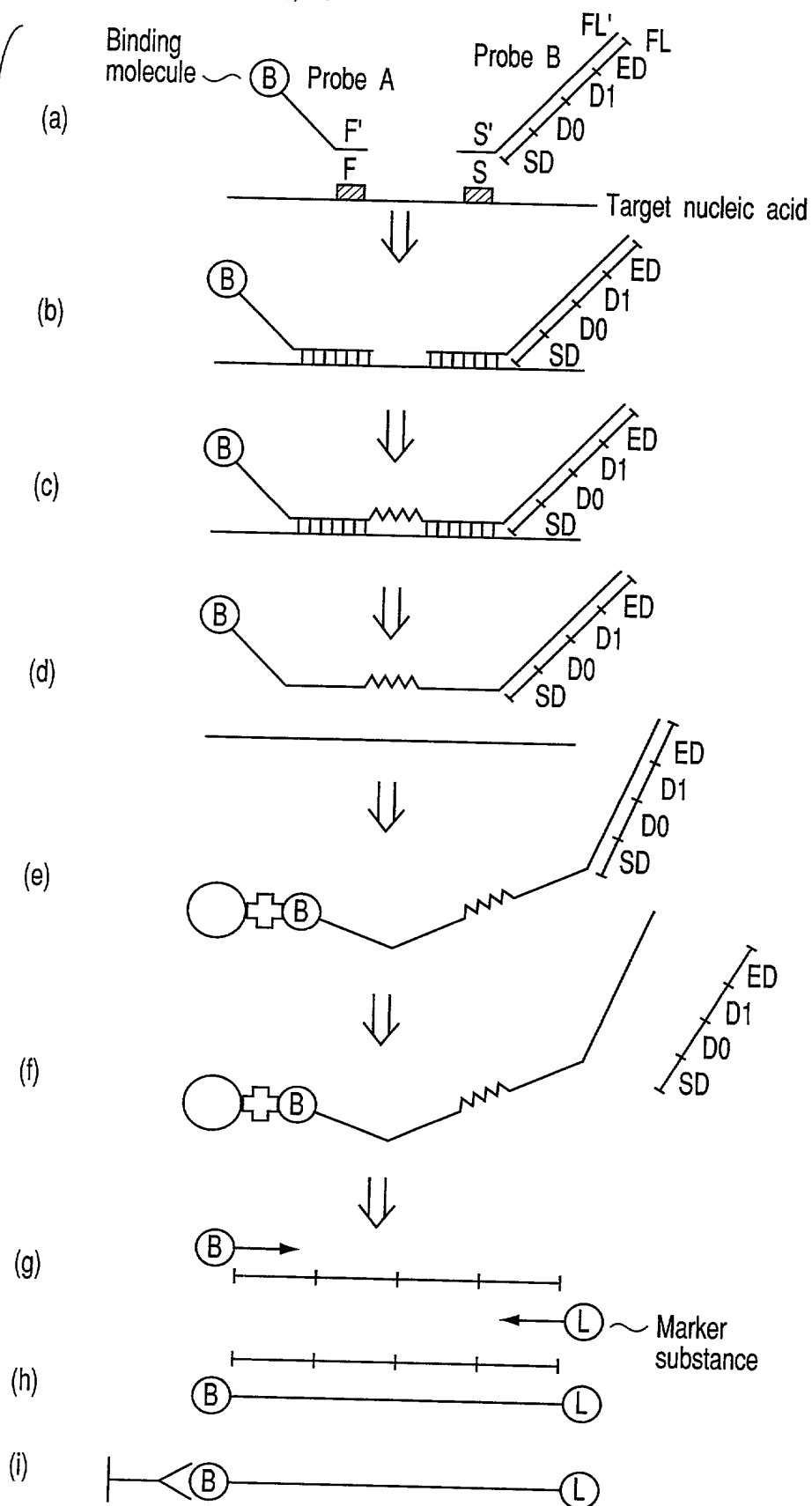


FIG. 5



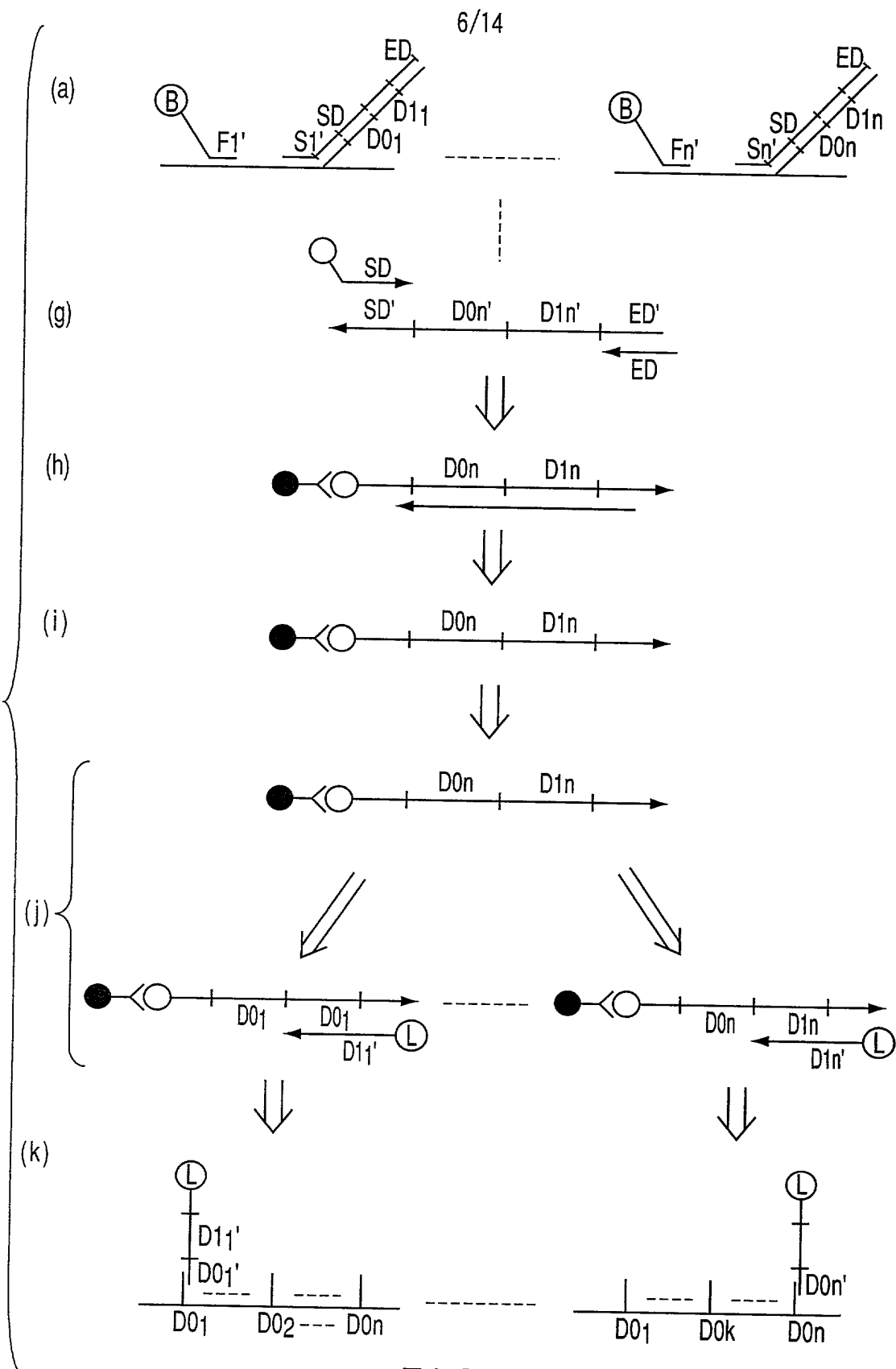


FIG. 6

| | | D0 | | | | | | | | | |
|----|-------|------|------|------|------|------|------|------|------|------|-------|
| | | D0-1 | D0-2 | D0-3 | D0-4 | D0-5 | D0-6 | D0-7 | D0-8 | D0-9 | D0-10 |
| D1 | D1-1 | 1 | | | | | | | | | |
| | D1-2 | | | | | | | | | | |
| | D1-3 | | | | | | | | | | |
| | D1-4 | | | | | | | | | | |
| | D1-5 | | | | | | | | | | |
| | D1-6 | | | | | | | | | | |
| | D1-7 | | | | | | | | | | |
| | D1-8 | | | | | | | | | | |
| | D1-9 | | | | | | | | | | |
| | D1-10 | | | | | | | | | | |

FIG. 7A

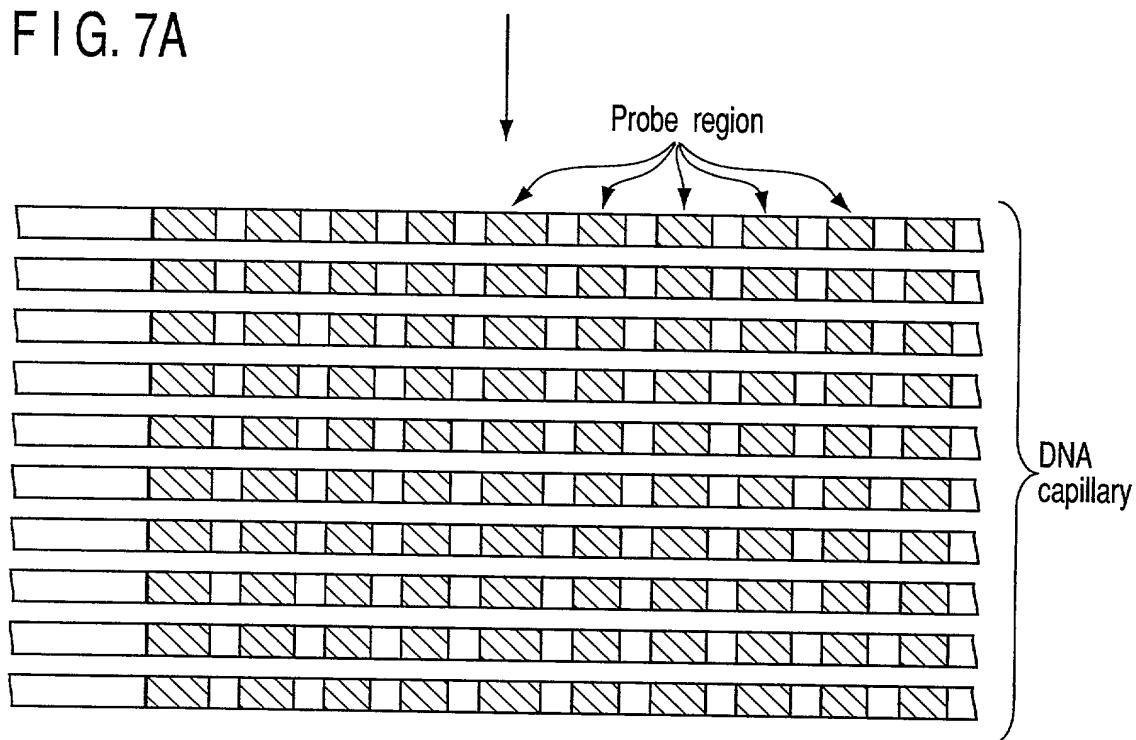


FIG. 7B

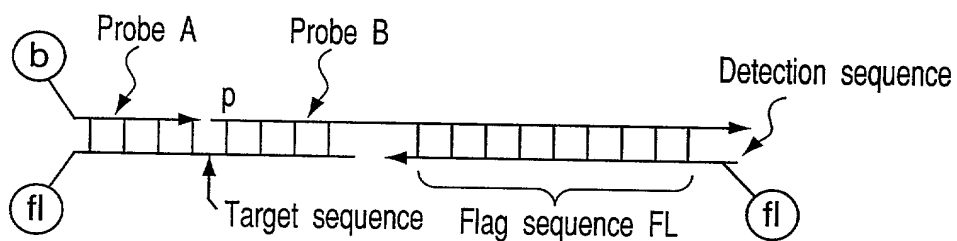


FIG. 8

| FIG. 9 | |
|--------------------|--|
| Mame | Sequence (5'→3') |
| Probe A | b-16A : b-CTAgTAaggTgAAgTC |
| Probe B | P-16B-48 : P-CATAAgAgCCCTAgAgCATgCTggTCAAaggggCACgCggTTCATCaggAgTCgAAggCaggACg |
| Target sequence | r-32-fl : CTCTAgggCTCTTATggACTTCACCCCTACTAg-fl |
| Detection sequence | fl-r-48 : fl-CgTCCCTgCCCTTCgACTCCTgATgAACgCgTgCCCCCTTgACCAgCATg |
| Mutation sequence | fl-neg-r-32AB : fl-TTCTAgAgCTCCTATggACTTCGCCCTACTAg |

Ligation reaction on
target sequence



Unreacted material is removed
(cold prewashing)



Target sequence is removed
(cold washing)



Recovering detection sequence
(hot washing)

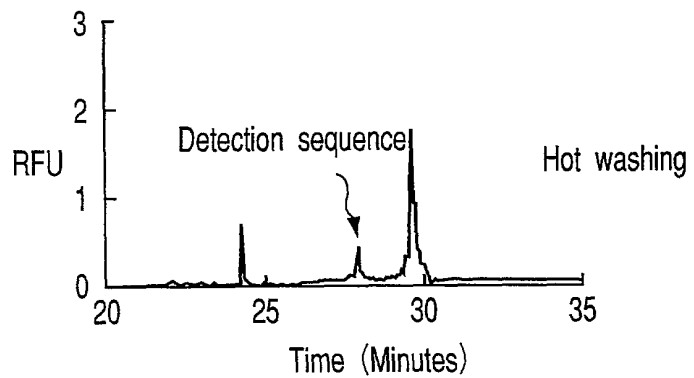
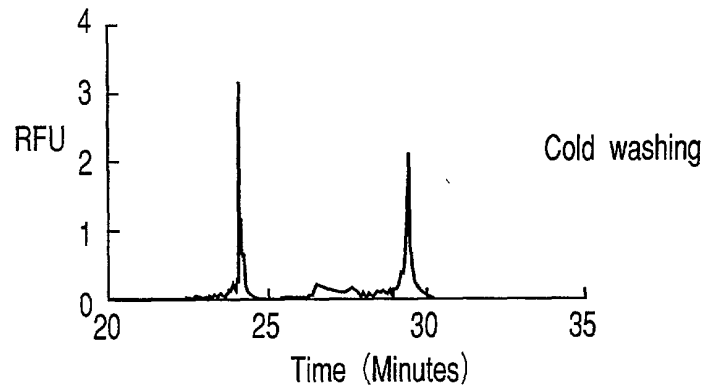
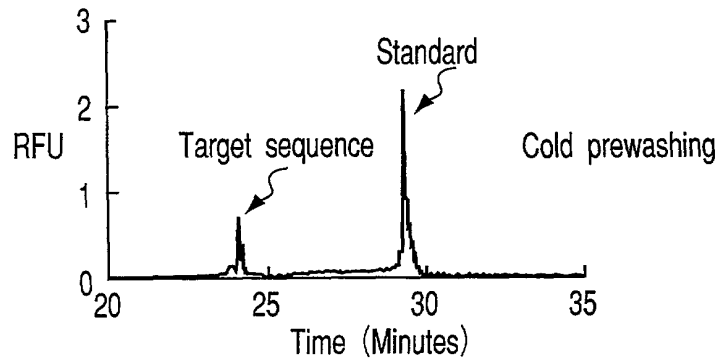


FIG. 10

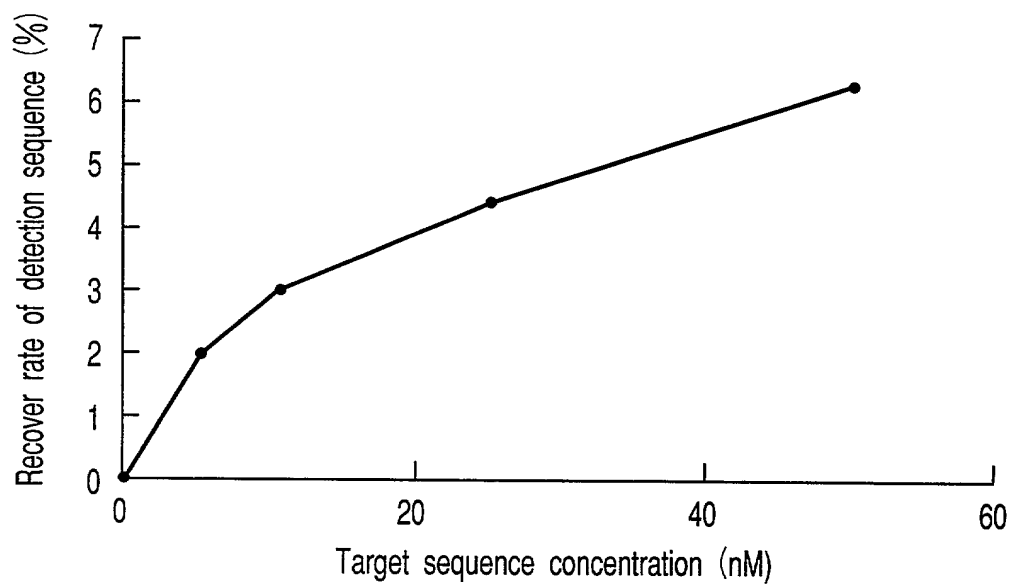


FIG. 11

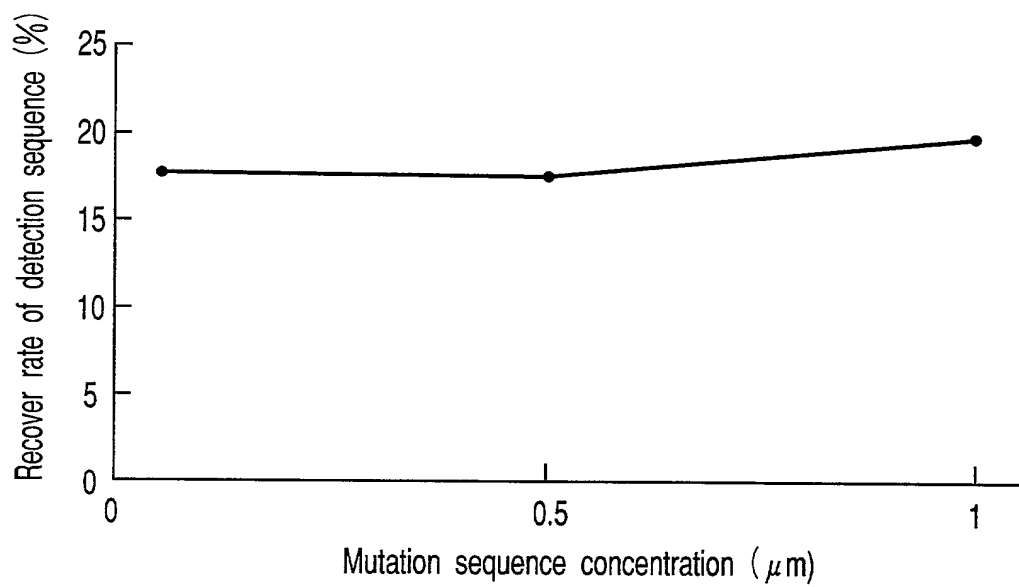


FIG. 12

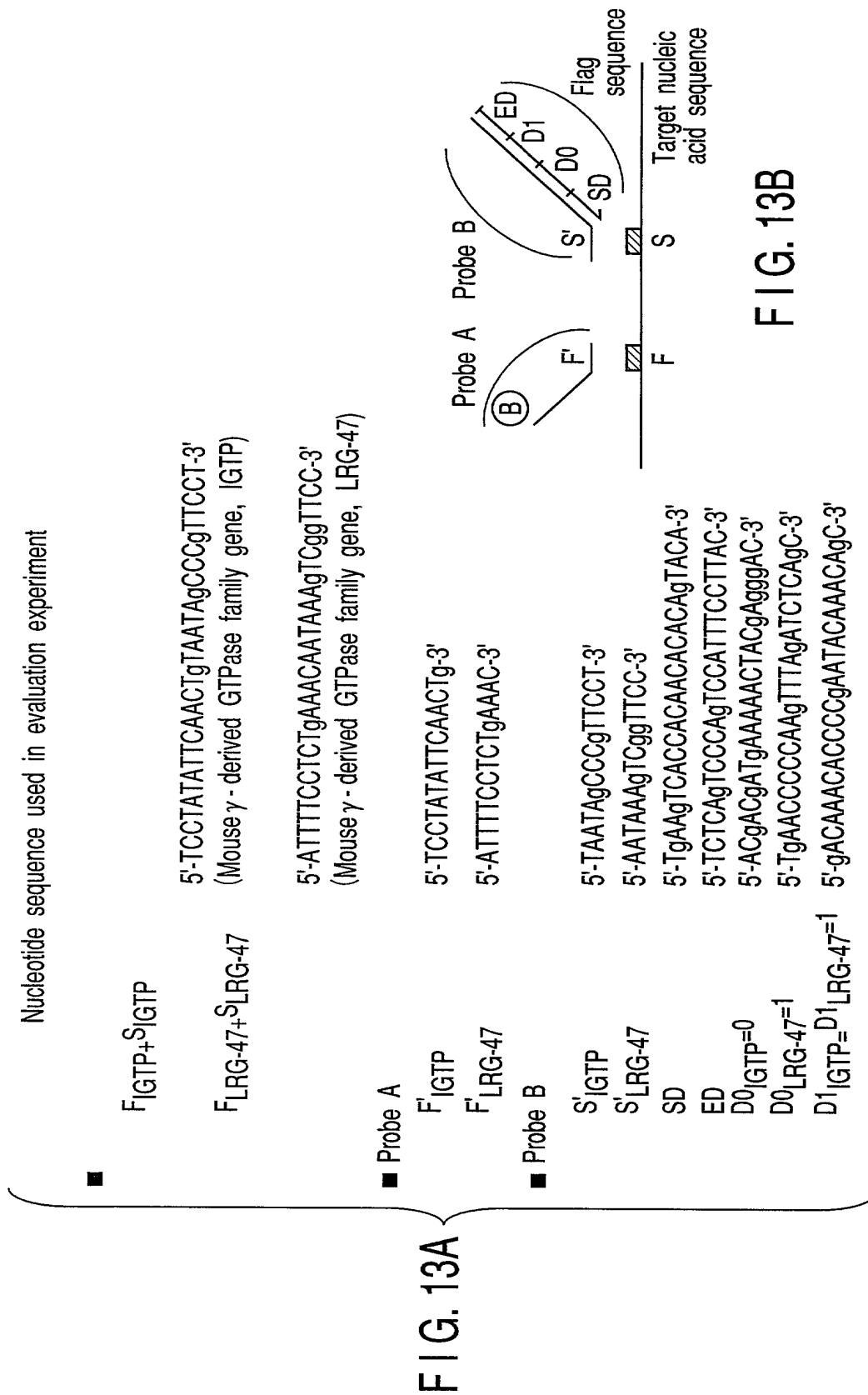


FIG. 13A

FIG. 14A

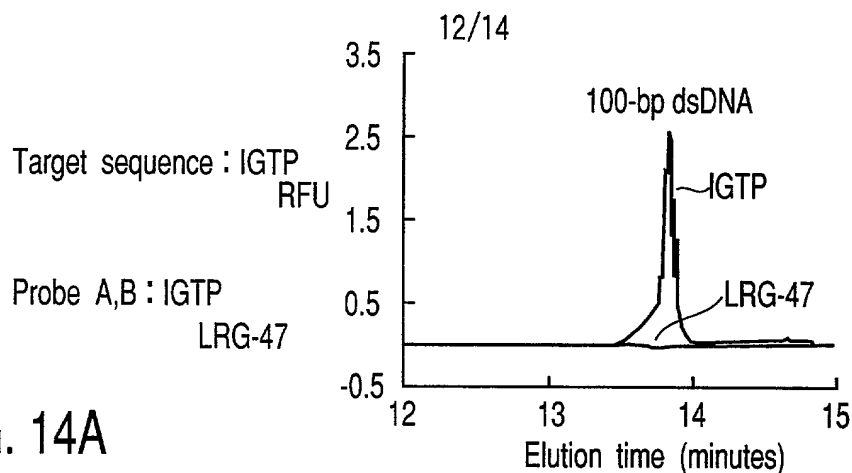


FIG. 14B

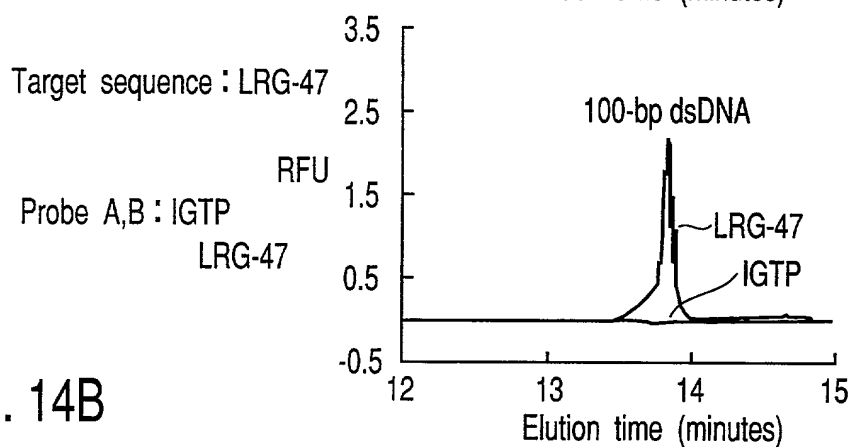
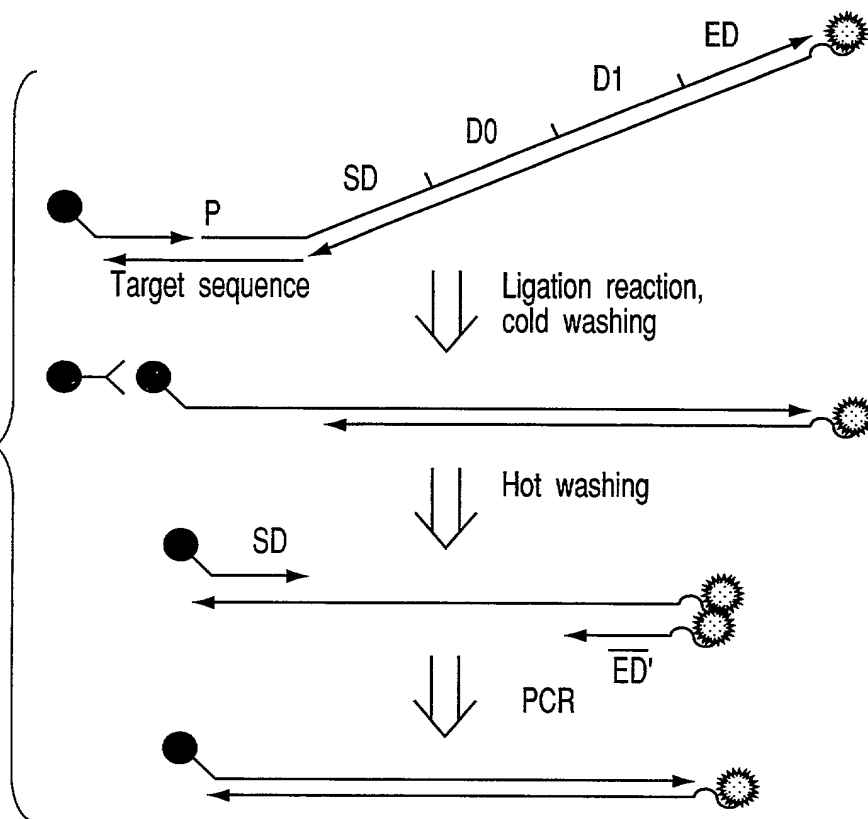


FIG. 15



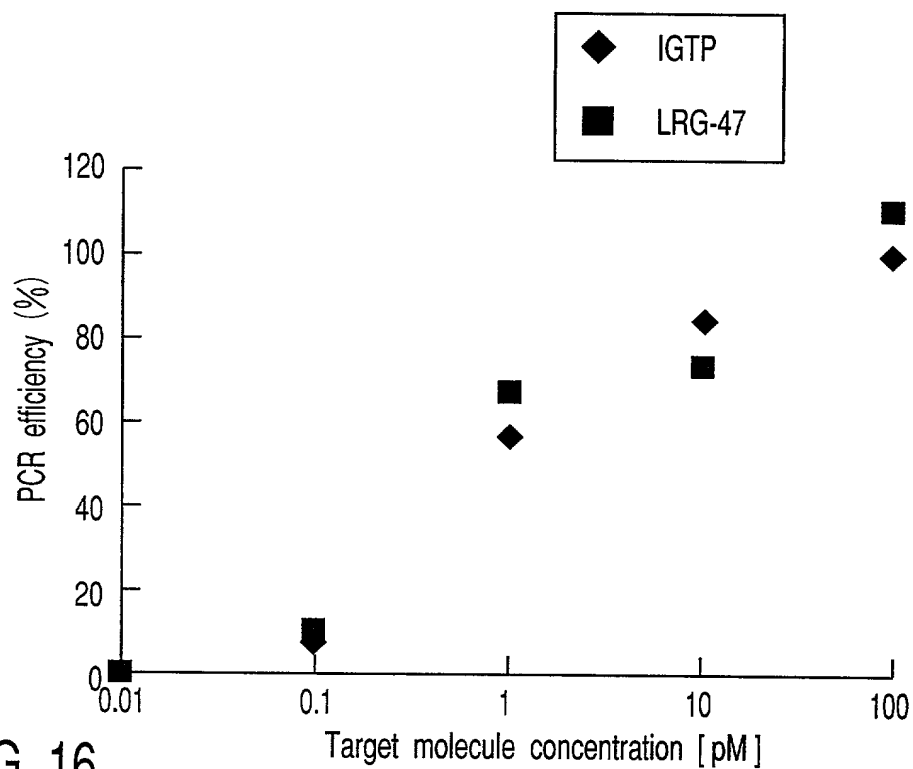


FIG. 16

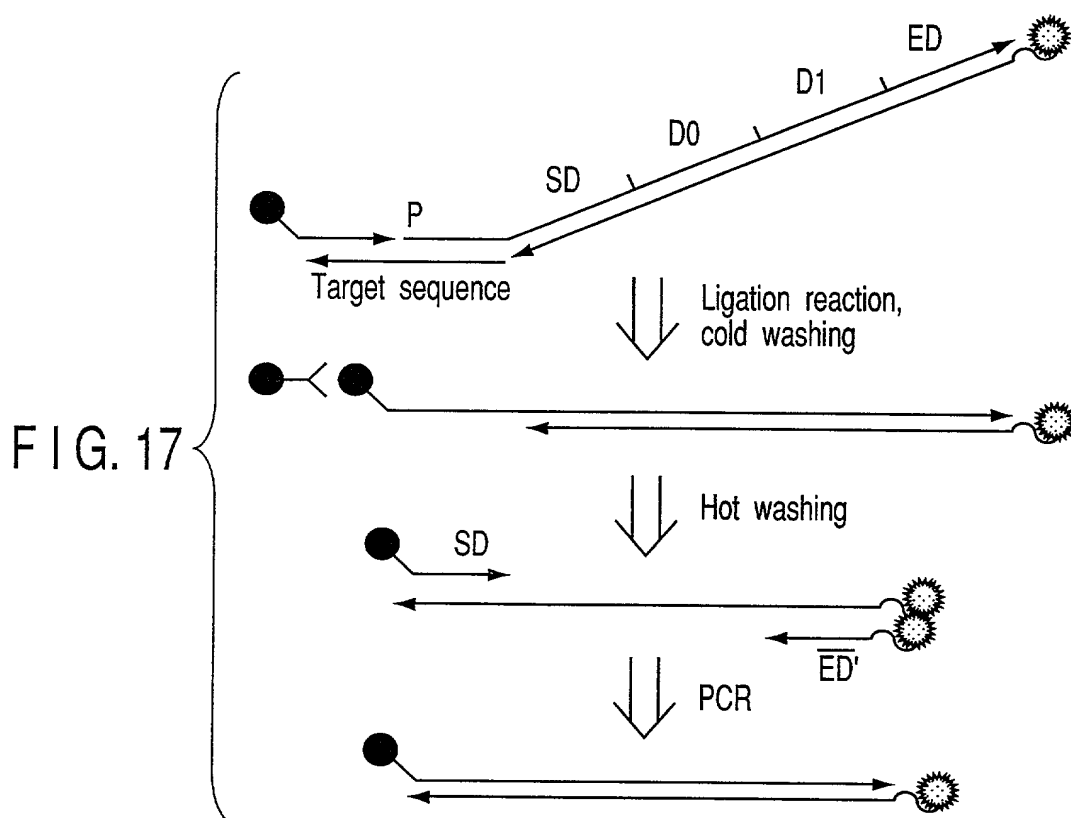


FIG. 17

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